JPS-100 IMU RTK

Geofix JPS-100 is a rugged, compact, wearable GIS data collector that efficiently captures high-quality field data and allows you to work in multiple survey scenarios.

Connecting the Geofix JPS-100 to mobile devices or PC with Android or Windows systems is faster than ever before, benefit from its built-in Bluetooth technology. It is one proud solution that fits all geospatial surveying, with different mobile applications can be optioned to enhance your JPS-100 user experience.

Small yet Powerful
Geofix JPS-100 is only 170gram, but Supports BDS/GPS/GLONASS/Galileo/QZSS Five General Constellations，Comprehensive GNSS signal tracking, 1408 Channels, fully supports BDS-3.

High-Precision GIS Data Collection
Embedded with a high precision GNSS module that is capable of tracking GPS, BDS, GLONASS, GALILEO, QZSS and SBAS constellations. Therefore, it supports centimeter-level high precision positioning, support CORS differential data positioning.

Satisfy All Your Delicate Needs
It is competent for various survey& lofting tasks, such as road construction, power line survey, site leveling control, CAD application etc.

Product Specification

GNSS Performance	• IMU	Dynamic tilt up to 60°
	• Channels	1408
	• Satellites tracking	GPS: L1C/A, L1C, L2P(Y), L2C, L5 BDS: B1I, B2I, B3I, B1C, B2a, B2b, B2b SBAS: L1, L2, L5 GALILEO: E1, E5a, E5b,E6 QZSS: L1, L2, L5,L6 GLONASS: L1, L2
	• Speed accuracy	≤0.03m/s
	• Accuracy	H: 8mm + 1 ppm RMS V: 15mm + 1 ppm RMS
	• Cold start	≤30 seconds
	• Hot start	≤3 seconds
Communication	• Data transfer	Type-C port
	• Bluetooth	4.0
Electrical	• Working time	≥ 10 hours
	• Port type	Type-C 5V/2A
	• Battery	Built-in, Lithium Polymer Battery 8.4 V / 1800 mAh
Button & Indicator	• Button	Power button x1
	• Indicators	Power indicator x1 Bluetooth indicator x1 Differential data indicator x1 Satellite indicator x1
Environment	• Water/dust-proof	IP67
	• Shock resistance	2m free drop
	• Operating temperature	-20°C ~ +75°C
	• Storage temperature	-40°C ~ +85°C
Outline	• Dimension	108 mm x 56mm x 36 mm
	• Weight	≤170 g

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